

Date: March 10, 2004

From: Water Resource Group, Salt Lake City
To: All Colorado River Annual Operating Plan (AOP) Recipients

Current Status

	February inflow(unreg) (Acre-Feet)	Percent of normal	Midnight March 9 Elevation	Reservoir Storage (Acre-Feet)
Fontenelle	23,000	79	6476.61	149,000
Flaming Gorge	33,000	70	6008.79	2,602,000
Blue Mesa	20,000	88	7463.46	393,000
Powell	245,000	58	3585.44	10,413,000
Navajo	23,000	77	5996.84	714,000

Expected Operation

FONTENELLE - Snowpack conditions above Fontenelle decreased slightly during the month of February. As of February 1st, 2004 the snowpack above Fontenelle Reservoir measured 89% of normal. As of March 9th, the snowpack measured 87% of normal. The snowpack building season is about three quarters complete at this point of the year.

The Colorado Basin River Forecast Center (CBRFC) has updated the 2004 Water Supply Forecast for Fontenelle to 625,000 acre-feet (73% of normal) for the period from April through July. This is down 25,000 acre-feet from on month ago. Based on this forecast, it is very likely that Fontenelle Reservoir will fill during the summer of 2004. The reservoir elevation is currently 6476 feet above sea level and declining. Releases are currently near 750 cfs and will be increased to about powerplant capacity (~1500 cfs) by the end of March when the Green River below Fontenelle is clear of ice cover. The reservoir elevation will continue to decline until April and will likely reach a minimum elevation for the year of about 6467 feet above sea level. By late July Fontenelle will be very nearly full depending on the accuracy of the Water Supply Forecast

Open forum discussions on Fontenelle operations take place at the "Fontenelle Reservoir Working Group" meetings. The Working Group is a forum for information exchange between Reclamation and other parties associated with the operation of Fontenelle Reservoir. The public is encouraged to attend and express their concerns and interests with regard to Fontenelle Reservoir operation. The next Working Group meeting is scheduled for April 14th, 2004 at 10:00 a.m. and will at the Wyoming Fish and Game office located in Green River Wyoming. For more information about the Working Group, contact Ed Vidmar at 801-379-1182.

FLAMING GORGE - Due to experimental flows being conducted at Glen Canyon Dam, releases from Flaming Gorge Dam could see some fluctuations during the month of March. Fluctuating

releases are being made to assist Western Area Power Administration make up generation that has been lost due to the experimental flows at Glen Canyon Dam. These fluctuations will vary daily depending on power market conditions but are limited to a peak of 2000 cfs for a maximum duration of 4 hours each day. Minimum flows will remain at the current level which has been about 850 cfs. The additional releases are limited to 5000 acre-feet for the month of March which could impact the reservoir elevation by 1-2 inches.

The Colorado Basin River Forecast Center (CBRFC) has updated the coordinated water supply forecast for Water Year 2004. The official forecast for Flaming Gorge Reservoir was updated during the first week of March to 825,000 acre-feet (69% of normal) of unregulated inflow for the April-July period. This reflects a 55,000 acre-foot decrease from February's forecast. Snow conditions above Flaming Gorge decreased somewhat during February. On February 9th the snowpack above Flaming Gorge measured 89% of normal. As of March 9th, the snowpack was 87% of normal. The snowpack building season is about 75% complete for Water Year 2004.

Based on the forecast, Flaming Gorge Reservoir will likely see some filling during the spring runoff. Currently the reservoir elevation is 6008.77 feet above sea level (31.23 feet from full pool elevation). This elevation will likely be the low elevation for Water Year 2004. Inflows are beginning to increase and the reservoir elevation will likely increase over the next 5 months by 8 or 9 feet.

The next "Flaming Gorge Working Group" meeting is to be held on April 15th, 2004 in Vernal, Utah at 10:00 a.m. at the Western Park Convention Center. The Working Group is a forum for information exchange between Reclamation and all other parties associated with the operation of Flaming Gorge Reservoir. The public is encouraged to attend and express their concerns and interests with regard to the operation of Flaming Gorge Reservoir. For more information about the Working Group please contact Ed Vidmar at 801-379-1182.

ASPINALL – February unregulated inflow into Blue Mesa Reservoir was 20,000 acre-feet or 88 percent of average. Drought conditions still remain the controlling factor for water management throughout the region, even though the basin has had some fairly good storms. The overall effect of these storms is that precipitation for the water year stands at about 93 percent of average. On March 10, 2004 the basin snowpack was averaging 99 percent of average. However, the soil moisture being severely depleted from 4 years of drought, we can expect of less than normal runoff with normal snowpack. The current inflow rate into Blue Mesa Reservoir is about 350 cfs and reservoir releases are averaging about 300 cfs. Blue Mesa's present elevation is 7463.44 feet, which corresponds to a storage content of about 393,000 acre-feet.

Releases from Crystal Dam are currently set at 312 cfs. The Gunnison Diversion Tunnel has been shut down for the winter season with the exception of some small 100 cfs diversions taken BI-weekly for the municipal water needs for the city of Montrose, Colorado. Due to the severity of the continuing drought in the Gunnison River Basin, river flows through the Black Canyon of the Gunnison have been set close to the minimum flow rate of 300 cfs.

On March 3, 2004, the National Weather Service's River Forecast Center issued the forecasted inflow for the April through July runoff period. The forecast is projecting a volume runoff into Blue Mesa Reservoir of 620,000 acre-feet. This represents an 86 percent of average runoff for this time

period. Based on this forecast, Blue Mesa Reservoir is estimated to be near full or elevation 7516.4 feet by the end of the runoff period during the month of July 2004.

The next meeting of the "Aspinall Unit Working Group" will be held on Thursday, April 22, 2004 at 1:00 PM in Grand Junction, Colorado. At this meeting, review of last autumn and winter reservoir operations, and plans for next spring and summer 2004 operations will be discussed. These meetings are open forum discussions on the Aspinall Unit reservoir operations with many interested groups participating. Anyone needing further information about these meetings should contact Dan Crabtree in the Grand Junction Area Office at (970) 248-0652.

NAVAJO – Reclamation decreased the release from Navajo Reservoir from 400 cubic feet per second (cfs) to 250 cfs, on Monday, November 3, 2003. All reservoir releases are made for the authorized purposes of the Navajo Unit, and to attempt to maintain a target base flow through the endangered fish critical habitat reach of the San Juan River (Farmington to Lake Powell).

Based upon current hydrological conditions and historical hydrologic data, the target base flow should remain above 440 cfs through the critical habitat area. The target base flow is calculated as the weekly average of gauged flows throughout the critical habitat area, therefore daily flows of less than 440 cfs may occur at some gages. This scheduled release is subject to changes in river flows and weather conditions.

Inflow into Navajo Reservoir continues to be below average. Unregulated reservoir inflow for February was 23,000 acre-feet, or 77 percent of average. The current daily reservoir inflow is averaging about 350 cfs. Presently, the reservoir water surface elevation is 5996.69 feet, which corresponds to a storage content of about 713,000 acre-feet. The monthly precipitation average in the basin above Bluff was 150 percent of average for February. The basin wide snowpack on March 10 was 99 percent of normal for the Animas River basin, and 104 percent of normal for the upper San Juan River basin.

On March 3, 2004, the National Weather Service's River Forecast Center issued an inflow forecast for Navajo Reservoir for the April through July runoff period. This forecast is projecting a volume runoff into the reservoir of 880,000 acre-feet. This represents a 110 percent of normal runoff for the Upper San Juan River Basin.

A public meeting on Navajo Reservoir operations will be held on Tuesday, April 13, 2004 at 1:00 PM in Farmington, New Mexico. At this meeting, review of last autumn and winter reservoir operations, and plans for next spring and summer 2004 operations will be discussed. These are open forum discussions on the operation of Navajo Reservoir with many interested groups participating. Anyone interested in the general operation of the reservoir is encouraged to attend. Please contact Pat Page in Reclamation's Durango, Colorado Office at (970) 385-6560 for information about these meetings or the daily operation of Navajo Reservoir.

Glen Canyon Dam - Lake Powell

Operations - Experimental Flows

Daily high fluctuating releases from Glen Canyon Dam, as part of the Glen Canyon Dam experimental flows, are being implemented from January through March 2004. On Mondays through Saturdays, releases are ranging between 5,000 cubic feet per second (cfs) and 20,000 cfs. The 20,000 cfs release is being maintained for about 11 hours (from 9:00 am until about 8:00 pm)

and the 5,000 cfs release is being maintained for about 6 hours (from 1:00 am until about 7:00 am). The remainder of the hours are transitional, where releases were between the daily high and the daily low. Releases on Sundays are ranging between a low of about 5,000 cfs to a high of about 8,000 cfs.

The January through March high fluctuating releases are intended to benefit the endangered humpback chub. Scientists have recognized that the humpback chub population has been in general decline since highly fluctuating flows were curtailed in November of 1991. Those flows helped keep the non-native fish, especially the rainbow and brown trout, in check. The trout are thought to prey upon and compete with native fish such as the endangered humpback chub. This is the second year of high fluctuating releases as part of the experimental flows. High fluctuating releases were first implemented in January through March of 2003.

Monthly release volumes in February, and March 2004 are scheduled to be 744,000 and 807,000 acre-feet, respectively, which averages out to about 13,000 cfs per day. In April, high fluctuating releases will end. Releases in April, 2004 will likely be 650,000 acre-feet which averages out to about 10,900 cfs. Because of the draw down condition of Lake Powell, releases from Lake Powell in water year 2004 are being scheduled to meet the minimum release objective of 8.23 million acre-feet. This is consistent with the requirements of the Criteria for Coordinated Long-Range Operation of Colorado River Reservoirs. The experimental flows will not change the total volume of water to be released from Lake Powell in water year 2004.

The experimental flows from Glen Canyon Dam received environmental clearances in December 2002. The flows were analyzed in an environmental assessment in accordance with the National Environmental Policy Act. The experimental flows are the result of ongoing studies by scientists from the United States Geological Survey and were recommended by the Glen Canyon Dam Adaptive Management Work Group, a Federal advisory committee. The experimental flows address the decline of two key resources in the Grand Canyon: sediment and population viability of endangered humpback chub. The Finding of No Significant Impact on the experimental flows can be found at http://www.uc.usbr.gov/amp/flow_fonsi.pdf.

Basin Hydrology

Drought conditions in the Colorado River Basin continue. While snowpack conditions this year are better than they have been in the past 4 years, there are no strong signals that there has been significant amelioration of the drought. In late December and early January there were a number of storms in the Colorado River Basin. Early January snowpack showed some promise with the basinwide 'pack' getting as high as 115 percent of average by January 8. The pattern since that time has been drier than average, however. As of February 27, 2004, snowpack in the Colorado River Basin is 92 percent of average. Because of the extended drought, the snowpack lies atop a mantle of very dry soil. This scenario is not favorable for this spring's runoff, as much of the melting snow will be absorbed by the soil. The National Weather Service's February mid-month inflow forecast is calling for 6.0 million acre-feet of unregulated inflow to Lake Powell in April through July. This is only 76 percent of average.

The Colorado River Basin is now in its 5th year of drought. Inflow volumes have been below average for 4 consecutive years. Unregulated inflow in water year 2003 was only 53 percent of average. Unregulated inflow in 2000, 2001 and 2002 was 62, 59, and 25 percent of average,

respectively. Inflow in 2002 was the lowest ever observed since the completion of Glen Canyon Dam in 1963. While snowpack and runoff projections this year are better than they have been the past 4 years, it's looking like 2004 will be another year with below average inflow. Only a 'wetter' than average spring in the Colorado River Basin could result in this year's runoff being above average.

The trend of low inflow continues. Unregulated inflow November, December, and January was only 64, 67 and 74 percent of average, respectively. On February 26, 2004 observed inflow to Lake Powell was 5,000 cfs, about 50 percent of what is usually seen in late February.

Low inflows have reduced water storage in Lake Powell. The current elevation (as of February 27, 2004) of Lake Powell is 3,587 feet (113 feet from full pool). Current storage is 10.5 million acre-feet (43 percent of capacity). The good news is that even after 4 years of extreme drought, Lake Powell is still storing a large volume of water.

The water surface elevation of Lake Powell is nearing its seasonal low. The water surface elevation will likely decrease for another 6 weeks at which time inflow will surpass releases and the lake will begin to rise. Under the current inflow forecast, Lake Powell will likely reach a peak elevation this year of about 3,602 feet in early July. It should be noted, however, there is considerable uncertainty with this projection. Weather conditions this spring will ultimately determine exactly much runoff there will be into Lake Powell during this year's April through July runoff.

TO ALL ANNUAL OPERATING PLAN RECIPIENTS

MAILED FROM UPPER COLORADO REGION
WATER RESOURCES GROUP
ATTENTION UC-280
125 SOUTH STATE STREET, ROOM 6107
SALT LAKE CITY, UT 84138-1102
PHONE 801-524-5571

RUNOFF PROJECTIONS AND INFLOW INFORMATION INTO UPPER BASIN RESERVOIR PROVIDED BY
THE COLORADO RIVER FORECASTING SERVICE THROUGH THE NATIONAL WEATHER SERVICE'S
COLORADO BASIN RIVER FORECAST CENTER ARE AS FOLLOWS

	Obs					Forecast			Outlook	
	nov	dec	jan	feb	%Avg	mar	apr	may	apr-jul	%Avg
GLDA3:Lake Powell	352	296	303	245	58%:	450/	750/	1850/	6500/:	82%
GBRW4:Fontenelle	27	28	25	23	79%:	42/	75/	140/	625/:	73%
GRNU1:Flaming Gorge	28	27	28	33	66%:	70/	120/	190/	825/:	69%
BMDC2:Blue Mesa	24	22	21	20	88%:	32/	70/	190/	620/:	86%
MPSC2:Morrow Point	25	24	23	22	85%:	36/	80/	212/	675/:	86%
CLSC2:Crystal	29	27	27	26	87%:	42/	95/	245/	770/:	84%
VCRC2:Vallecito	6.1	4.9	4.8	3.9	83%:	5.4/	22/	80/	215/:	105%
NVRN5:Navajo	24	19.6	17.3	23	77%:	80/	210/	335/	880/:	110%
MPHC2:McPhee	3.6	3.5	3.6	3.7	77%:	13/	65/	130/	305/:	95%
TPIC2:Taylor Park	4.4	3.8	3.9	3.7	95%:	4.3/	8/	25/	90/:	87%
RBSC2:Ridgway					:	/	/	/	102/:	100%
LEMC2:Lemon	1.0	0.9	.73	0.6	79%:	1/	4.5/	22/	60/:	103%
:										
:	** UNREGULATED CRYSTAL INFLOW COMBINES BLUE MESA UNREGULATED									
:	INFLOW PLUS THE SIDE INFLOW TO BOTH MORROW POINT AND CRYSTAL									

O P E R A T I O N P L A N F O R C O L O R A D O R I V E R S Y S T E M R E S E R V O I R S

Bureau of Reclamation - CRFS 3/2004 Most Prob Water Supply
Fontenelle Reservoir

08-mar-2004 11:34:56

Regulated Inflow 1000 Ac-Ft	Evap Losses 1000 Ac-Ft	Power Release 1000 Ac-Ft	Bypass Release 1000 Ac-Ft	Total Release 1000 Ac-Ft	Reservoir Elevation EOM Feet	Live Storage 1000 Ac-Ft
* Mar 2003	59	1	58	0	58	6483.32
H Apr 2003	56	1	83	4	87	6477.50
I May 2003	76	1	74	13	87	6475.15
S Jun 2003	189	2	63	0	63	6495.52
T Jul 2003	69	2	46	0	46	6498.43
O Aug 2003	35	2	47	0	47	6496.53
R Sep 2003	31	2	46	0	46	6494.31
WY 2003	653	16	598	31	629	
I Oct 2003	27	1	29	17	46	6491.32
C Nov 2003	27	1	41	5	46	6488.45
A Dec 2003	28	1	46	0	46	6485.47
L Jan 2004	25	1	47	0	47	6481.72
* Feb 2004	23	1	43	0	43	6477.84
Mar 2004	42	0	54	0	54	6475.30
Apr 2004	75	1	89	0	89	6472.13
May 2004	140	1	92	0	92	6481.49
Jun 2004	257	2	102	43	145	6498.09
Jul 2004	153	3	92	0	92	6505.70
Aug 2004	70	2	72	0	72	6505.16
Sep 2004	40	2	70	0	70	6501.07
WY 2004	907	16	777	65	842	
Oct 2004	47	1	72	0	72	6497.56
Nov 2004	39	1	70	0	70	6493.11
Dec 2004	30	1	72	0	72	6486.67
Jan 2005	28	1	72	0	72	6479.08
Feb 2005	26	0	65	0	65	6470.77
Mar 2005	47	0	72	0	72	6464.47
Apr 2005	84	1	83	0	83	6464.59
May 2005	176	1	96	19	115	6478.20
Jun 2005	320	2	102	72	174	6500.31
Jul 2005	192	3	101	49	150	6505.36
Aug 2005	83	2	92	0	92	6503.93
Sep 2005	48	2	68	0	68	6501.11
WY 2005	1120	15	965	140	1105	
Oct 2005	52	1	71	0	71	6498.36
Nov 2005	43	1	68	0	68	6494.83
Dec 2005	33	1	71	0	71	6489.07
Jan 2006	31	1	71	0	71	6482.59
Feb 2006	29	1	70	0	70	6474.59
						140

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

Bureau of Reclamation - CRFS 3/2004 Most Prob Water Supply
Flaming Gorge Reservoir

08-mar-2004 11:34:56

	Unreg Inflow 1000 Ac-Ft	Regulated Inflow 1000 Ac-Ft	Evap Losses 1000 Ac-Ft	Power Release 1000 Ac-Ft	Bypass Release 1000 Ac-Ft	Total Release 1000 Ac-Ft	Bank Storage 1000 Ac-Ft	Reservoir Elevation EOM Feet	Live Storage 1000 Ac-Ft	Yampa Flow 1000 Ac-Ft	Jensen Flow 1000 Ac-Ft
* Mar 2003	78	77	3	52	0	52	68	6009.69	2631	0	131
H Apr 2003	66	96	4	49	0	49	70	6010.98	2673	0	219
I May 2003	99	119	7	140	0	140	69	6010.17	2647	0	590
S Jun 2003	244	111	9	63	0	63	70	6011.30	2684	0	506
T Jul 2003	72	48	11	50	0	50	70	6010.90	2670	0	102
O Aug 2003	33	44	11	52	0	52	69	6010.36	2653	0	65
R Sep 2003	26	40	9	50	0	50	68	6009.81	2635	0	65
WY 2003	764	737	68	710	0	710					2047
I Oct 2003	23	43	6	52	0	52	68	6009.38	2621	0	67
C Nov 2003	28	46	3	51	0	51	67	6009.17	2614	0	79
A Dec 2003	27	46	2	53	0	53	67	6008.91	2606	0	80
L Jan 2004	27	48	2	53	0	53	67	6008.73	2600	0	270
* Feb 2004	33	53	2	50	0	50	67	6008.77	2602	0	300
Mar 2004	70	82	4	53	0	53	68	6009.53	2627	0	53
Apr 2004	120	134	6	51	0	51	70	6011.83	2701	0	51
May 2004	190	142	9	127	0	127	70	6012.02	2707	0	127
Jun 2004	332	220	11	88	0	88	74	6015.52	2824	0	88
Jul 2004	183	122	12	61	0	61	76	6016.89	2871	0	61
Aug 2004	82	84	9	61	0	61	76	6017.28	2885	0	61
Sep 2004	49	79	8	60	0	60	77	6017.59	2895	0	60
WY 2004	1164	1099	74	760	0	760					1297
Oct 2004	59	84	5	61	0	61	77	6018.10	2913	0	61
Nov 2004	50	81	2	60	0	60	78	6018.63	2931	0	60
Dec 2004	36	78	2	61	0	61	78	6019.05	2946	0	61
Jan 2005	41	85	2	61	0	61	79	6019.67	2968	0	61
Feb 2005	45	84	2	56	0	56	80	6020.38	2993	0	56
Mar 2005	97	122	4	61	0	61	82	6021.93	3048	0	61
Apr 2005	141	140	7	60	0	60	84	6023.88	3119	0	60
May 2005	273	212	10	130	0	130	86	6025.78	3189	0	130
Jun 2005	423	277	13	198	0	198	88	6027.49	3253	0	198
Jul 2005	233	191	13	116	0	116	90	6029.06	3313	0	116
Aug 2005	97	106	10	116	0	116	90	6028.55	3293	0	116
Sep 2005	59	79	9	113	0	113	88	6027.45	3252	0	113
WY 2005	1554	1539	79	1093	0	1093					1093
Oct 2005	65	84	5	116	0	116	87	6026.51	3216	0	116
Nov 2005	56	81	2	113	0	113	86	6025.61	3183	0	113
Dec 2005	40	78	2	116	0	116	85	6024.56	3144	0	116
Jan 2006	45	85	2	116	0	116	84	6023.70	3113	0	116
Feb 2006	50	91	2	106	0	106	83	6023.25	3096	0	106

O P E R A T I O N P L A N F O R C O L O R A D O R I V E R S Y S T E M R E S E R V O I R S

Bureau of Reclamation - CRFS 3/2004 Most Prob Water Supply
Taylor Park Reservoir

08-mar-2004 11:34:56

Regulated Inflow	Total Release 1000 Ac-Ft	Reservoir Elevation 1000 Feet	Live Storage 1000 Ac-Ft
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* Mar 2003	3	4	9286.61	39
H Apr 2003	7	4	9289.66	42
I May 2003	29	8	9305.60	63
S Jun 2003	31	13	9316.66	81
T Jul 2003	9	15	9313.21	75
O Aug 2003	6	14	9308.70	68
R Sep 2003	8	7	9309.00	68
WY 2003	109	81		
I Oct 2003	5	4	9309.72	69
C Nov 2003	4	3	9310.47	71
A Dec 2003	4	3	9310.82	71
L Jan 2004	4	3	9311.17	72
* Feb 2004	4	3	9311.44	72
Mar 2004	4	6	9310.12	70
Apr 2004	8	6	9311.25	72
May 2004	24	16	9315.97	80
Jun 2004	39	19	9326.88	100
Jul 2004	19	20	9326.43	99
Aug 2004	9	20	9320.35	88
Sep 2004	6	17	9313.97	76
WY 2004	130	120		
Oct 2004	6	6	9313.91	76
Nov 2004	5	6	9313.07	75
Dec 2004	4	6	9311.92	73
Jan 2005	4	6	9310.62	71
Feb 2005	3	6	9308.98	68
Mar 2005	4	6	9307.63	66
Apr 2005	8	8	9307.37	66
May 2005	25	13	9314.56	77
Jun 2005	41	18	9327.09	100
Jul 2005	20	21	9326.58	99
Aug 2005	9	21	9320.41	88
Sep 2005	6	16	9314.98	78
WY 2005	135	133		
Oct 2005	7	8	9314.10	77
Nov 2005	5	6	9313.58	76
Dec 2005	5	6	9312.74	74
Jan 2006	4	6	9311.75	73
Feb 2006	4	6	9310.40	71

O P E R A T I O N P L A N F O R C O L O R A D O R I V E R S Y S T E M R E S E R V O I R S

Bureau of Reclamation - CRFS 3/2004 Most Prob Water Supply
Blue Mesa Reservoir

08-mar-2004 11:34:56

	Unreg Inflow 1000 Ac-Ft	Regulated Inflow 1000 Ac-Ft	Evap Losses 1000 Ac-Ft	Power Release 1000 Ac-Ft	Bypass Release 1000 Ac-Ft	Total Release 1000 Ac-Ft	Reservoir elevation EOM Feet	Live Storage 1000 Ac-Ft
* Mar 2003	27	27	0	9	0	9	7449.60	310
H Apr 2003	42	39	0	50	0	50	7447.48	299
I May 2003	174	155	1	42	0	42	7466.19	411
S Jun 2003	170	150	1	48	0	48	7480.76	512
T Jul 2003	43	49	1	101	0	101	7473.26	458
O Aug 2003	33	40	1	93	0	93	7465.29	405
R Sep 2003	45	45	1	62	0	62	7462.45	387
WY 2003	631	606	5	489	0	489		
I Oct 2003	26	25	0	47	0	47	7458.78	364
C Nov 2003	23	22	0	16	0	16	7459.81	370
A Dec 2003	22	21	0	15	0	15	7460.86	377
L Jan 2004	21	20	0	14	0	14	7461.91	383
* Feb 2004	20	20	0	12	0	12	7463.13	391
Mar 2004	32	34	0	16	0	16	7465.97	409
Apr 2004	70	68	1	29	0	29	7471.74	448
May 2004	190	182	1	31	0	31	7492.10	598
Jun 2004	247	227	1	44	0	44	7513.78	779
Jul 2004	113	114	2	89	0	89	7516.40	802
Aug 2004	53	65	1	101	0	101	7512.17	765
Sep 2004	30	41	1	101	0	101	7505.11	704
WY 2004	847	839	7	515	0	515		
Oct 2004	33	33	1	82	0	82	7499.17	655
Nov 2004	29	30	0	63	0	63	7495.11	622
Dec 2004	23	25	0	65	0	65	7490.01	581
Jan 2005	23	25	0	80	0	80	7482.77	526
Feb 2005	21	24	0	71	0	71	7476.21	479
Mar 2005	32	34	0	80	0	80	7469.51	432
Apr 2005	68	68	1	80	0	80	7467.67	420
May 2005	196	184	1	44	0	44	7487.26	560
Jun 2005	263	240	1	33	0	33	7512.28	766
Jul 2005	121	122	2	84	0	84	7516.43	803
Aug 2005	59	71	1	99	0	99	7513.13	773
Sep 2005	33	43	1	100	0	100	7506.39	715
WY 2005	901	899	8	881	0	881		
Oct 2005	37	39	1	82	0	82	7501.16	671
Nov 2005	32	33	0	72	0	72	7496.31	631
Dec 2005	26	27	0	77	0	77	7490.03	582
Jan 2006	25	27	0	85	0	85	7482.35	523
Feb 2006	23	25	0	72	0	72	7475.80	476

O P E R A T I O N P L A N F O R C O L O R A D O R I V E R S Y S T E M R E S E R V O I R S

Bureau of Reclamation - CRFS 3/2004 Most Prob Water Supply
Morrow Point Reservoir

08-mar-2004 11:34:56

	Unreg Inflow 1000 Ac-Ft	Blue Mesa Release 1000 Ac-Ft	Side Inflow 1000 Ac-Ft	Total Inflow 1000 Ac-Ft	Evap losses 1000 Ac-Ft	Power Release 1000 Ac-Ft	Bypass Release 1000 Ac-Ft	Total Release 1000 Ac-Ft	Reservoir Elevation EOM Feet	Live Storage 1000 Ac-Ft
* Mar 2003	29	9	3	12	0	16	0	16	7148.63	108
H Apr 2003	48	50	7	57	0	52	0	52	7154.64	113
I May 2003	188	42	14	56	0	54	0	54	7157.73	115
S Jun 2003	180	48	10	58	0	59	0	59	7157.05	115
T Jul 2003	46	101	3	104	0	106	0	106	7154.89	113
O Aug 2003	36	93	3	95	0	97	0	97	7152.55	111
R Sep 2003	47	62	2	64	0	64	0	64	7153.42	112
WY 2003	678	489	48	537	0	530	0	530		
I Oct 2003	28	47	2	49	0	52	0	52	7149.88	109
C Nov 2003	25	16	2	18	0	16	0	16	7151.87	111
A Dec 2003	24	15	2	16	0	15	0	15	7153.36	112
L Jan 2004	23	14	2	15	0	17	0	17	7151.70	110
* Feb 2004	22	12	2	14	0	15	0	15	7150.31	109
Mar 2004	35	16	3	19	0	16	0	16	7153.73	112
Apr 2004	79	29	9	38	0	38	0	38	7153.73	112
May 2004	215	31	25	56	0	56	0	56	7153.73	112
Jun 2004	263	44	16	60	0	60	0	60	7153.73	112
Jul 2004	118	89	5	94	0	94	0	94	7153.73	112
Aug 2004	56	101	3	104	0	104	0	104	7153.73	112
Sep 2004	32	101	2	103	0	103	0	103	7153.73	112
WY 2004	920	515	73	586	0	586	0	586		
Oct 2004	35	82	2	84	0	84	0	84	7153.73	112
Nov 2004	31	63	2	65	0	65	0	65	7153.73	112
Dec 2004	25	65	2	67	0	67	0	67	7153.73	112
Jan 2005	24	80	1	81	0	81	0	81	7153.73	112
Feb 2005	23	71	2	73	0	73	0	73	7153.73	112
Mar 2005	35	80	3	83	0	83	0	83	7153.73	112
Apr 2005	77	80	9	89	0	89	0	89	7153.73	112
May 2005	222	44	26	69	0	70	0	70	7153.73	112
Jun 2005	284	33	21	54	0	54	0	54	7153.73	112
Jul 2005	127	84	6	90	0	90	0	90	7153.73	112
Aug 2005	61	99	2	101	0	101	0	101	7153.73	112
Sep 2005	35	100	2	102	0	102	0	102	7153.73	112
WY 2005	979	881	78	958	0	959	0	959		
Oct 2005	39	82	2	84	0	84	0	84	7153.73	112
Nov 2005	34	72	2	74	0	74	0	74	7153.73	112
Dec 2005	28	77	2	79	0	79	0	79	7153.73	112
Jan 2006	27	85	2	87	0	87	0	87	7153.73	112
Feb 2006	25	72	3	75	0	75	0	75	7153.73	112

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Bureau of Reclamation - CRFS 3/2004 Most Prob Water Supply
Crystal Reservoir

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	unreg Inflow 1000 Ac-Ft	Morrow Release 1000 Ac-Ft	Side Inflow 1000 Ac-Ft	Total Inflow 1000 Ac-Ft	Power Release 1000 Ac-Ft	Bypass Release 1000 Ac-Ft	Total Release 1000 Ac-Ft	Reservoir Elevation EOM Feet	Live Storage 1000 Ac-Ft	Tunnel Flow 1000 Ac-Ft	Below_tunnel Flow 1000 Ac-Ft
* Mar 2003	34	16	4	20	10	11	21	6750.34	16	5	16
H Apr 2003	56	52	7	59	59	0	59	6752.87	17	43	16
I May 2003	206	54	18	72	72	0	72	6752.51	17	49	24
S Jun 2003	196	59	16	75	77	1	78	6740.47	13	48	34
T Jul 2003	52	106	6	111	108	1	109	6748.44	16	63	49
O Aug 2003	42	97	6	103	102	0	102	6752.65	17	62	41
R Sep 2003	52	64	5	68	70	0	70	6744.61	15	46	27
WY 2003	756	530	76	605	522	85	607		317	269	
I Oct 2003	32	52	4	56	27	28	55	6746.98	15	34	23
C Nov 2003	29	16	4	20	0	20	20	6747.86	16	0	20
A Dec 2003	27	15	4	19	0	20	20	6744.53	15	1	19
L Jan 2004	27	17	4	21	0	20	20	6748.12	16	0	19
* Feb 2004	26	15	3	18	0	18	18	6748.18	16	0	19
Mar 2004	42	16	7	23	0	23	23	6746.05	15	5	18
Apr 2004	95	38	16	54	0	54	54	6746.05	15	30	24
May 2004	245	56	30	86	0	86	86	6746.05	15	55	31
Jun 2004	298	60	35	95	95	0	95	6746.05	15	60	35
Jul 2004	132	94	14	108	108	0	108	6746.05	15	65	43
Aug 2004	67	104	11	115	115	0	115	6746.05	15	65	50
Sep 2004	40	103	8	111	111	0	111	6746.05	15	55	56
WY 2004	1060	586	140	726	456	269	725		370	357	
Oct 2004	42	84	7	91	91	0	91	6746.05	15	30	61
Nov 2004	36	65	5	70	70	0	70	6746.05	15	0	70
Dec 2004	30	67	5	72	72	0	72	6746.05	15	0	72
Jan 2005	29	81	5	86	86	0	86	6746.05	15	0	86
Feb 2005	27	73	4	77	77	0	77	6746.05	15	0	77
Mar 2005	42	83	7	90	90	0	90	6746.05	15	5	85
Apr 2005	94	89	17	106	106	0	106	6746.05	15	30	76
May 2005	269	70	47	117	116	1	117	6746.05	15	55	61
Jun 2005	340	54	56	110	110	0	110	6746.05	15	60	50
Jul 2005	150	90	23	113	113	0	113	6746.05	15	65	48
Aug 2005	74	101	13	114	114	0	114	6746.05	15	65	49
Sep 2005	44	102	9	111	111	0	111	6746.05	15	55	56
WY 2005	1177	959	198	1157	1156	1	1157		365	791	
Oct 2005	47	84	8	92	92	0	92	6746.05	15	30	62
Nov 2005	40	74	6	80	80	0	80	6746.05	15	0	80
Dec 2005	33	79	5	84	84	0	84	6746.05	15	0	84
Jan 2006	32	87	5	92	92	0	92	6746.05	15	0	92
Feb 2006	30	75	4	79	79	0	79	6746.05	15	0	79

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Bureau of Reclamation - CRFS 3/2004 Most Prob Water Supply
Vallecito Reservoir

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Regulated Inflow	Total Release 1000 Ac-Ft	Reservoir Elevation EOM Feet	Live Storage 1000 Ac-Ft
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* Mar 2003	5	0	7628.62	42
H Apr 2003	14	0	7635.63	55
I May 2003	53	29	7646.68	79
S Jun 2003	30	40	7641.61	68
T Jul 2003	9	36	7627.82	41
O Aug 2003	11	26	7616.93	25
R Sep 2003	17	6	7624.58	36
WY 2003	163	142		
I Oct 2003	6	4	7625.86	38
C Nov 2003	6	0	7629.25	43
A Dec 2003	5	0	7631.78	48
L Jan 2004	5	0	7634.28	53
* Feb 2004	4	0	7636.34	57
Mar 2004	5	0	7638.80	62
Apr 2004	22	12	7643.43	72
May 2004	80	53	7654.79	99
Jun 2004	79	52	7665.18	126
Jul 2004	34	43	7661.76	117
Aug 2004	19	43	7652.20	92
Sep 2004	16	35	7644.05	73
WY 2004	281	242		
Oct 2004	14	14	7644.06	73
Nov 2004	9	7	7644.94	75
Dec 2004	6	6	7644.95	75
Jan 2005	5	6	7644.50	74
Feb 2005	5	5	7644.25	74
Mar 2005	8	6	7645.14	76
Apr 2005	21	14	7648.16	83
May 2005	67	50	7655.14	100
Jun 2005	82	56	7665.06	126
Jul 2005	35	44	7661.71	117
Aug 2005	19	44	7651.91	92
Sep 2005	16	33	7644.70	75
WY 2005	287	285		
Oct 2005	14	12	7645.59	77
Nov 2005	9	6	7646.88	80
Dec 2005	6	6	7646.89	80
Jan 2006	5	6	7646.45	79
Feb 2006	5	6	7646.00	78

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Bureau of Reclamation - CRFS 3/2004 Most Prob Water Supply
Navajo Reservoir

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Mod	Unreg	Azetea	Reg	Evap	NIIP	Total	Reservoir	Live	Farm
	Inflow	Tunnel	Inflow	Losses	Diversion	Release	Elevation	Storage	Flow
	1000	1000	1000	1000	1000	1000	EOM	1000	1000
	Ac-Ft	Ac-Ft	Ac-Ft	Ac-Ft	ac-Ft	Ac-Ft	Feet	Ac-Ft	Ac-Ft
* Mar 2003	39	1	34	1	4	22	6008.99	813	44
H Apr 2003	71	11	48	2	16	21	6010.10	823	41
I May 2003	163	26	115	2	26	25	6016.96	884	98
S Jun 2003	81	19	68	3	36	29	6017.05	885	85
T Jul 2003	-9	1	17	3	41	58	6007.43	800	53
O Aug 2003	2	1	19	2	33	43	6000.18	740	51
R Sep 2003	48	3	35	2	15	24	5999.45	734	67
WY 2003	479	62	400	17	183	338			604
I Oct 2003	14	0	12	1	7	27	5996.50	711	49
C Nov 2003	24	0	18	1	0	16	5996.73	713	51
A Dec 2003	18	0	13	0	0	15	5996.36	710	78
L Jan 2004	17	0	13	0	0	15	5995.94	707	71
* Feb 2004	24	0	20	1	1	14	5996.45	711	38
Mar 2004	80	1	74	1	4	17	6002.99	763	17
Apr 2004	210	14	186	1	22	21	6019.16	904	21
May 2004	335	45	263	2	29	22	6040.09	1114	22
Jun 2004	252	35	190	3	41	21	6051.12	1239	21
Jul 2004	83	5	87	4	46	24	6052.25	1252	24
Aug 2004	45	3	66	3	41	44	6050.46	1231	44
Sep 2004	40	1	58	2	18	27	6051.36	1242	27
WY 2004	1142	104	1000	19	209	263			463
Oct 2004	44	1	43	1	12	26	6051.67	1245	26
Nov 2004	35	0	33	1	1	16	6052.92	1260	16
Dec 2004	25	0	25	0	0	15	6053.69	1270	15
Jan 2005	23	0	24	0	0	16	6054.28	1277	16
Feb 2005	30	0	31	1	0	17	6055.36	1290	17
Mar 2005	89	1	87	1	5	20	6060.24	1351	20
Apr 2005	170	14	148	2	24	21	6067.96	1452	21
May 2005	275	31	227	3	31	121	6073.15	1525	121
Jun 2005	257	32	199	4	43	183	6071.01	1495	183
Jul 2005	84	9	84	4	48	31	6071.03	1495	31
Aug 2005	45	3	68	3	43	33	6070.16	1483	33
Sep 2005	40	1	56	3	19	28	6070.65	1490	28
WY 2005	1117	92	1025	23	226	527			527
Oct 2005	44	1	41	2	12	31	6070.41	1486	31
Nov 2005	35	0	32	1	1	30	6070.44	1487	30
Dec 2005	25	0	25	1	0	31	6069.98	1480	31
Jan 2006	23	0	24	1	0	31	6069.41	1472	31
Feb 2006	30	0	31	1	0	28	6069.60	1475	28

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Bureau of Reclamation - CRFS 3/2004 Most Prob Water Supply
Lake Powell

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	Unreg Inflow 1000 Ac-Ft	Regulated Inflow 1000 Ac-Ft	Evap Losses 1000 Ac-Ft	Power Release 1000 Ac-Ft	Bypass Release 1000 Ac-Ft	Total Release 1000 Ac-Ft	Reservoir Elevation EOM Feet	Bank Storage 1000 Ac-Ft	EOM Storage 1000 Ac-Ft	Lees Ferry 1000 Ac-Ft
* Mar 2003	407	370	15	786	0	786	3607.13	18926	12444	794
H Apr 2003	413	391	22	601	0	601	3605.10	18894	12243	605
I May 2003	1160	1058	29	652	0	652	3610.26	18758	12756	661
S Jun 2003	1992	1633	44	842	0	842	3616.20	18897	13365	865
T Jul 2003	342	440	45	900	0	900	3610.63	18962	12794	935
O Aug 2003	144	299	50	902	0	902	3604.21	18947	12156	927
R Sep 2003	445	482	47	473	0	473	3603.73	18956	12110	485
WY 2003	6205	6120	368	8227	0	8227				8390
I Oct 2003	292	364	27	490	0	490	3601.93	18978	11935	495
C Nov 2003	337	348	23	475	0	475	3600.48	18968	11796	485
A Dec 2003	289	305	20	602	0	602	3597.22	18960	11487	610
L Jan 2004	288	305	13	789	0	789	3591.80	18966	10984	797
* Feb 2004	245	253	14	743	0	743	3586.84	18910	10537	758
Mar 2004	450	356	20	807	0	807	3581.87	18875	10101	0
Apr 2004	750	488	23	600	0	600	3580.42	18865	9975	0
May 2004	1850	1389	31	650	0	650	3587.89	18917	10630	0
Jun 2004	2590	1988	38	800	0	800	3599.43	19002	11695	0
Jul 2004	1310	1156	45	898	0	898	3601.49	19018	11893	0
Aug 2004	503	573	46	900	0	900	3597.87	18990	11548	0
Sep 2004	390	478	39	476	0	476	3597.50	18988	11514	0
WY 2004	9294	8003	339	8230	0	8230				3145
Oct 2004	502	548	35	492	0	492	3597.71	18989	11533	0
Nov 2004	496	522	29	476	0	476	3597.87	18990	11548	0
Dec 2004	396	453	25	492	0	492	3597.25	18986	11490	0
Jan 2005	365	435	18	850	0	850	3592.94	18954	11089	0
Feb 2005	379	427	17	650	0	650	3590.51	18936	10866	0
Mar 2005	597	545	21	600	0	600	3589.73	18930	10796	0
Apr 2005	887	707	24	600	0	600	3590.58	18936	10873	0
May 2005	2074	1686	33	650	0	650	3600.53	19011	11801	0
Jun 2005	2773	2318	41	800	0	800	3614.31	19120	13169	0
Jul 2005	1402	1252	48	910	0	910	3616.93	19142	13441	0
Aug 2005	552	645	50	910	0	910	3614.12	19119	13150	0
Sep 2005	428	556	42	800	0	800	3611.53	19097	12885	0
WY 2005	10851	10094	383	8230	0	8230				0
Oct 2005	557	653	38	600	0	600	3611.67	19098	12899	0
Nov 2005	550	643	32	600	0	600	3611.77	19099	12909	0
Dec 2005	439	572	26	800	0	800	3609.44	19080	12674	0
Jan 2006	405	544	20	850	0	850	3606.41	19056	12372	0
Feb 2006	417	521	18	800	0	800	3603.60	19034	12097	0

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Bureau of Reclamation - CRFS 3/2004 Most Prob Water Supply
Hoover Dam - Lake Mead

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	Glen Release 1000 Ac-Ft	Side Inflow 1000 Ac-Ft	Evap Losses 1000 Ac-Ft	Total Release 1000 Ac-Ft	Total Release 1000 CFS	SNWP Use 1000 Ac-Ft	Dwnstrm Reqmnts 1000 Ac-Ft	Bank Storage 1000 Ac-Ft	Reservoir Elevation EOM Feet	EOM Storage 1000 Ac-Ft
* Mar 2003	786	72	42	957	15.6	16	949	1094	1153.09	16826
H Apr 2003	601	34	52	1138	19.1	21	1126	1059	1148.27	16287
I May 2003	652	29	58	1017	16.5	24	1013	1033	1144.68	15893
S Jun 2003	842	5	69	918	15.4	31	917	1023	1143.19	15733
T Jul 2003	900	39	86	964	15.7	33	964	1014	1141.93	15598
O Aug 2003	902	118	91	744	12.1	31	743	1023	1143.27	15741
R Sep 2003	473	81	75	584	9.8	26	581	1015	1142.12	15618
WY 2003	8227	656	719	9462		268	9383			
I Oct 2003	490	21	54	539	8.8	26	537	1009	1141.17	15517
C Nov 2003	475	46	54	637	10.7	20	635	997	1139.48	15337
A Dec 2003	602	46	47	623	10.1	19	621	994	1139.12	15300
L Jan 2004	789	40	38	633	10.3	15	635	1003	1140.39	15434
* Feb 2004	743	77	35	806	14.0	10	804	1001	1140.11	15404
Mar 2004	807	84	39	875	14.2	20	875	999	1139.73	15364
Apr 2004	600	58	48	1093	18.4	25	1093	968	1135.18	14886
May 2004	650	78	55	1059	17.2	32	1059	942	1131.37	14494
Jun 2004	800	39	65	851	14.3	32	851	935	1130.37	14392
Jul 2004	898	68	81	866	14.1	32	866	935	1130.24	14379
Aug 2004	900	83	87	792	12.9	32	792	939	1130.91	14447
Sep 2004	476	71	71	574	9.6	30	574	931	1129.73	14326
WY 2004	8230	711	674	9348		293	9341			
Oct 2004	492	62	52	331	5.4	30	331	940	1131.02	14458
Nov 2004	476	60	52	672	11.3	21	672	927	1129.10	14262
Dec 2004	492	77	44	657	10.7	16	657	918	1127.72	14123
Jan 2005	850	73	36	723	11.8	13	723	927	1129.12	14265
Feb 2005	650	98	33	718	12.9	12	718	926	1128.98	14250
Mar 2005	600	84	37	951	15.5	20	951	906	1125.95	13946
Apr 2005	600	58	45	1111	18.7	25	1111	875	1120.98	13454
May 2005	650	78	51	1035	16.8	32	1035	851	1117.18	13087
Jun 2005	800	39	61	887	14.9	32	887	842	1115.81	12955
Jul 2005	910	68	77	872	14.2	32	872	842	1115.79	12953
Aug 2005	910	83	81	801	13.0	32	801	847	1116.55	13026
Sep 2005	800	71	67	590	9.9	30	590	858	1118.34	13199
WY 2005	8230	851	636	9348		295	9347			
Oct 2005	600	62	49	435	7.1	30	435	867	1119.77	13338
Nov 2005	600	60	50	633	10.6	21	633	864	1119.35	13297
Dec 2005	800	77	43	627	10.2	16	626	876	1121.21	13477
Jan 2006	850	73	35	722	11.7	13	722	885	1122.68	13621
Feb 2006	800	98	33	687	12.4	12	687	895	1124.26	13777

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Bureau of Reclamation - CRFS 3/2004 Most Prob Water Supply
Davis Dam - Lake Mohave

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	Hoover Release 1000 Ac-Ft	Side inflow 1000 Ac-Ft	Power Release 1000 Ac-Ft	Spill Release 1000 Ac-Ft	Total Release 1000 Ac-Ft	Total Release 1000 CFS	Reservoir Elevation EOM Feet	EOM Storage 1000 Ac-Ft
* Mar 2003	957	-19	980	0	980	15.9	642.53	1686
H Apr 2003	1138	-30	1108	0	1108	18.6	642.53	1686
I May 2003	1017	-33	955	0	955	15.5	643.60	1715
S Jun 2003	918	-32	905	0	905	15.2	642.89	1696
T Jul 2003	964	-31	886	0	886	14.4	644.60	1743
O Aug 2003	744	-23	723	0	723	11.8	644.48	1739
R Sep 2003	584	-20	660	0	660	11.1	640.95	1643
WY 2003	9462	-256	9135	0	9135			
I Oct 2003	539	-7	706	0	706	11.5	634.31	1468
C Nov 2003	637	-11	568	0	568	9.5	636.53	1526
A Dec 2003	623	-18	540	0	540	8.8	638.98	1590
L Jan 2004	633	-20	580	0	580	9.4	640.22	1623
* Feb 2004	806	-17	695	0	695	12.1	643.62	1716
Mar 2004	875	-29	874	0	874	14.2	642.60	1688
Apr 2004	1093	-36	1046	0	1046	17.6	643.00	1699
May 2004	1059	-33	1025	0	1025	16.7	643.01	1699
Jun 2004	851	-28	851	0	851	14.3	642.00	1671
Jul 2004	866	-29	851	0	851	13.8	641.50	1658
Aug 2004	792	-35	757	0	757	12.3	641.50	1658
Sep 2004	574	-31	636	0	636	10.7	638.00	1564
WY 2004	9348	-294	9129	0	9129			
Oct 2004	331	-30	495	0	495	8.0	630.49	1371
Nov 2004	672	-28	555	0	555	9.3	634.00	1460
Dec 2004	657	-28	506	0	506	8.2	638.71	1583
Jan 2005	723	-32	608	0	608	9.9	641.80	1666
Feb 2005	718	-26	659	0	659	11.9	643.01	1699
Mar 2005	951	-29	922	0	922	15.0	643.01	1699
Apr 2005	1111	-36	1075	0	1075	18.1	643.01	1699
May 2005	1035	-33	1002	0	1002	16.3	643.01	1699
Jun 2005	887	-28	886	0	886	14.9	642.00	1671
Jul 2005	872	-29	856	0	856	13.9	641.50	1658
Aug 2005	801	-35	766	0	766	12.5	641.50	1658
Sep 2005	590	-31	652	0	652	11.0	638.00	1564
WY 2005	9348	-365	8982	0	8982			
Oct 2005	435	-30	598	0	598	9.7	630.49	1371
Nov 2005	633	-28	516	0	516	8.7	634.00	1460
Dec 2005	627	-28	475	0	475	7.7	638.71	1583
Jan 2006	722	-32	607	0	607	9.9	641.80	1666
Feb 2006	687	-26	661	0	661	11.9	641.80	1666

O P E R A T I O N P L A N F O R C O L O R A D O R I V E R S Y S T E M R E S E R V O I R S

Bureau of Reclamation - CRFS 3/2004 Most Prob Water Supply
Parker Dam - Lake Havasu

08-mar-2004 11:34:56

	Davis Release 1000 Ac-Ft	Side Inflow 1000 Ac-Ft	Total Release 1000 Ac-Ft	Total Release 1000 CFS	MWD Diversion 1000 Ac-Ft	CAP diversion 1000 Ac-Ft	Reservoir Elevation EOM Feet	EOM Storage 1000 Ac-Ft	Flow to Mexico 1000 Ac-Ft	Flow to Mexico 1000 CFS
* Mar 2003	980	-13	728	11.8	82	188	445.89	541	207	3.4
H Apr 2003	1108	1	800	13.4	82	176	448.60	592	205	3.4
I May 2003	955	49	709	11.5	53	184	448.83	596	112	1.8
S Jun 2003	905	-15	715	12.0	35	144	448.57	591	112	1.9
T Jul 2003	886	-13	742	12.1	51	76	448.81	596	122	2.0
O Aug 2003	723	-4	607	9.9	63	48	448.81	596	100	1.6
R Sep 2003	660	-9	572	9.6	57	54	447.05	562	93	1.6
WY 2003	9135	19	6840		764	1492			1571	
I Oct 2003	706	-9	509	8.3	60	125	447.20	565	73	1.2
C Nov 2003	568	6	336	5.7	67	175	446.96	560	100	1.7
A Dec 2003	540	9	347	5.6	75	171	444.52	516	121	2.0
L Jan 2004	580	-4	333	5.4	60	188	444.21	511	129	2.1
* Feb 2004	695	1	418	7.3	58	175	446.75	557	155	2.7
Mar 2004	874	12	664	10.8	43	180	446.71	556	200	3.3
Apr 2004	1046	0	785	13.2	59	187	447.50	570	193	3.2
May 2004	1025	-2	739	12.0	61	182	449.60	611	109	1.8
Jun 2004	851	-7	732	12.3	30	82	449.60	611	111	1.9
Jul 2004	851	-9	762	12.4	31	79	448.00	580	121	2.0
Aug 2004	757	1	664	10.8	31	72	447.50	570	100	1.6
Sep 2004	636	8	558	9.4	30	69	446.81	557	90	1.5
WY 2004	9129	6	6847		605	1685			1502	
Oct 2004	495	11	484	7.9	31	0	446.31	548	72	1.2
Nov 2004	555	17	375	6.3	40	163	445.99	543	99	1.7
Dec 2004	506	0	320	5.2	41	148	445.80	539	119	1.9
Jan 2005	608	-6	357	5.8	59	186	445.80	539	130	2.1
Feb 2005	659	10	467	8.4	33	168	445.80	539	155	2.8
Mar 2005	922	12	669	10.9	62	187	446.70	555	200	3.3
Apr 2005	1075	0	796	13.4	60	181	448.71	594	193	3.2
May 2005	1002	-2	740	12.0	62	180	449.60	611	109	1.8
Jun 2005	886	-7	733	12.3	30	116	449.60	611	111	1.9
Jul 2005	856	-9	763	12.4	31	83	448.00	580	121	2.0
Aug 2005	766	1	665	10.8	31	80	447.50	570	100	1.6
Sep 2005	652	8	559	9.4	30	84	446.81	557	90	1.5
WY 2005	8982	35	6928		510	1576			1499	
Oct 2005	598	11	484	7.9	31	103	446.29	548	72	1.2
Nov 2005	516	17	375	6.3	41	123	446.00	543	99	1.7
Dec 2005	475	0	320	5.2	42	117	445.80	539	119	1.9
Jan 2006	607	-6	356	5.8	59	186	445.80	539	130	2.1
Feb 2006	661	10	466	8.4	33	168	446.00	543	155	2.8

O P E R A T I O N P L A N F O R C O L O R A D O R I V E R S Y S T E M R E S E R V O I R S

Bureau of Reclamation - CRFS 3/2004 Most Prob Water Supply
Hoover Dam - Lake Mead

10-mar-2004 11:14:27

	Power Release	Power Release	EOM Reservoir Elevation	EOM Storage 1000	Change In Storage 1000	Hoover Static Head	Hoover Generator Capacity	Hoover Gross Energy MKW H	Percent Of Units Available	KWH/AF
	1000 Ac-Ft	1000 CFS	Feet	Ac-Ft	Ac-Ft	Feet	MW	MKWH		
* Mar 2003	957	15.6	1153.09	16826	-152	0.00	1526.0	425.3	80	444.4
H Apr 2003	1138	19.1	1148.27	16287	-539	0.00	1431.0	504.4	75	443.3
I May 2003	1017	16.5	1144.68	15893	-393	0.00	1509.0	443.4	82	435.8
S Jun 2003	918	15.4	1143.19	15733	-161	0.00	1840.0	394.8	100	429.9
T Jul 2003	964	15.7	1141.93	15598	-135	0.00	1840.0	413.6	100	428.8
O Aug 2003	744	12.1	1143.27	15741	144	0.00	1840.0	313.4	100	421.2
R Sep 2003	584	9.8	1142.12	15618	-124	0.00	1840.0	242.1	100	414.5
WY 2003	9463							4112.9		
I Oct 2003	539	8.8	1141.17	15517	-101	0.00	1490.0	225.4	81	418.5
C Nov 2003	637	10.7	1139.48	15337	-178	0.00	1233.0	272.5	67	427.7
A Dec 2003	623	10.1	1139.12	15300	-38	0.00	1141.0	266.0	62	426.8
L Jan 2004	633	10.3	1140.39	15434	134	0.00	1141.0	270.3	62	426.9
* Feb 2004	806	14.0	1140.11	15404	-29	0.00	1251.0	349.0	68	433.3
Mar 2004	875	14.2	1139.73	15364	-40	489.43	1300.7	391.1	69	447.2
Apr 2004	1093	18.4	1135.18	14886	-477	487.17	1300.7	490.6	69	448.8
May 2004	1059	17.2	1131.37	14494	-392	479.43	1885.0	452.0	100	426.9
Jun 2004	851	14.3	1130.37	14392	-103	477.37	1885.0	367.0	100	431.2
Jul 2004	866	14.1	1130.24	14379	-13	477.30	1885.0	372.8	100	430.3
Aug 2004	792	12.9	1130.91	14447	68	477.73	1885.0	337.2	100	425.8
Sep 2004	574	9.6	1129.73	14326	-120	478.62	1885.0	238.6	100	415.9
WY 2004	9347							4032.4		
Oct 2004	331	5.4	1131.02	14458	132	481.47	1771.9	129.9	94	391.9
Nov 2004	672	11.3	1129.10	14262	-196	485.72	1413.8	288.0	75	428.5
Dec 2004	657	10.7	1127.72	14123	-139	482.37	1300.7	278.5	69	424.0
Jan 2005	723	11.8	1129.12	14265	142	479.83	1300.7	309.9	69	428.6
Feb 2005	718	12.9	1128.98	14250	-14	479.05	1300.7	311.3	69	433.8
Mar 2005	951	15.5	1125.95	13946	-305	477.07	1300.7	413.9	69	435.2
Apr 2005	1111	18.7	1120.98	13454	-492	473.08	1300.7	487.1	69	438.4
May 2005	1035	16.8	1117.18	13087	-366	467.39	1526.8	436.2	81	421.6
Jun 2005	887	14.9	1115.81	12955	-132	463.06	1885.0	366.3	100	413.2
Jul 2005	872	14.2	1115.79	12953	-2	462.86	1885.0	365.6	100	419.4
Aug 2005	801	13.0	1116.55	13026	73	463.40	1885.0	333.0	100	415.6
Sep 2005	590	9.9	1118.34	13199	172	465.81	1885.0	240.9	100	408.7
WY 2005	9347							3960.7		
Oct 2005	435	7.1	1119.77	13338	139	472.29	1413.8	177.9	75	409.2
Nov 2005	633	10.6	1119.35	13297	-41	475.26	1413.8	264.0	75	417.0
Dec 2005	627	10.2	1121.21	13477	180	474.27	1300.7	264.1	69	421.6
Jan 2006	722	11.7	1122.68	13621	144	473.38	1300.7	305.7	69	423.7
Feb 2006	687	12.4	1124.26	13777	156	473.88	1300.7	293.4	69	427.2

O P E R A T I O N P L A N F O R C O L O R A D O R I V E R S Y S T E M R E S E R V O I R S

Bureau of Reclamation - CRFS 3/2004 Most Prob Water Supply
Davis Dam - Lake Mohave

10-mar-2004 11:14:27

	Power Release	Power Release	EOM Reservoir Elevation	EOM Storage 1000	Change In Storage 1000	Davis Static Head Feet	Davis Generator Capacity MW	Davis Gross Energy MKWH	Percent Of Units Available	KWH/AF
	1000 Ac-Ft	1000 CFS	Feet	Ac-Ft	Ac-Ft					
* Mar 2003	980	15.9	642.53	1686	-42	0.00	197.0	124.6	82	127.1
H Apr 2003	1108	18.6	642.53	1686	0	0.00	240.0	138.5	100	125.0
I May 2003	955	15.5	643.60	1715	29	0.00	255.0	120.9	100	126.5
S Jun 2003	905	15.2	642.89	1696	-19	0.00	255.0	113.6	100	125.6
T Jul 2003	886	14.4	644.60	1743	47	0.00	255.0	111.6	100	125.9
O Aug 2003	723	11.8	644.48	1739	-3	0.00	255.0	91.6	100	126.7
R Sep 2003	660	11.1	640.95	1643	-96	0.00	204.0	82.2	80	124.6
WY 2003	9134							1143.3		
I Oct 2003	706	11.5	634.31	1468	-175	0.00	204.0	84.7	80	120.0
C Nov 2003	568	9.5	636.53	1526	58	0.00	196.0	67.9	77	119.5
A Dec 2003	540	8.8	638.98	1590	65	0.00	173.0	65.3	68	120.9
L Jan 2004	580	9.4	640.22	1623	33	0.00	163.0	72.2	64	124.6
* Feb 2004	695	12.1	643.62	1716	92	0.00	189.0	86.8	74	124.8
Mar 2004	874	14.2	642.60	1688	-28	137.39	209.1	109.7	82	125.6
Apr 2004	1046	17.6	643.00	1699	11	135.83	255.0	130.1	100	124.3
May 2004	1025	16.7	643.01	1699	0	136.05	255.0	127.9	100	124.8
Jun 2004	851	14.3	642.00	1671	-28	135.52	255.0	106.4	100	125.1
Jul 2004	851	13.8	641.50	1658	-14	134.73	255.0	105.9	100	124.5
Aug 2004	757	12.3	641.50	1658	0	134.46	255.0	94.4	100	124.8
Sep 2004	636	10.7	638.00	1564	-94	132.63	255.0	78.8	100	123.8
WY 2004	9129							1130.1		
Oct 2004	495	8.0	630.49	1371	-193	128.32	204.0	59.3	80	119.9
Nov 2004	555	9.3	634.00	1460	89	126.46	196.3	65.3	77	117.6
Dec 2004	506	8.2	638.71	1583	123	131.54	173.4	61.5	68	121.7
Jan 2005	608	9.9	641.80	1666	83	135.97	163.2	75.7	64	124.6
Feb 2005	659	11.9	643.01	1699	33	137.30	188.7	82.8	74	125.8
Mar 2005	922	15.0	643.01	1699	0	137.29	209.1	115.5	82	125.3
Apr 2005	1075	18.1	643.01	1699	0	136.05	255.0	133.7	100	124.4
May 2005	1002	16.3	643.01	1699	0	136.05	255.0	125.1	100	124.9
Jun 2005	886	14.9	642.00	1671	-28	135.52	255.0	110.7	100	124.9
Jul 2005	856	13.9	641.50	1658	-14	134.73	255.0	106.6	100	124.5
Aug 2005	766	12.5	641.50	1658	0	134.46	255.0	95.6	100	124.8
Sep 2005	652	11.0	638.00	1564	-94	132.63	255.0	80.7	100	123.7
WY 2005	8982							1112.5		
Oct 2005	598	9.7	630.49	1371	-193	128.32	204.0	71.3	80	119.2
Nov 2005	516	8.7	634.00	1460	89	126.46	196.3	60.8	77	117.8
Dec 2005	475	7.7	638.71	1583	123	131.54	173.4	58.0	68	121.9
Jan 2006	607	9.9	641.80	1666	83	135.97	163.2	75.6	64	124.6
Feb 2006	661	11.9	641.80	1666	0	136.69	188.7	82.7	74	125.2

O P E R A T I O N P L A N F O R C O L O R A D O R I V E R S Y S T E M R E S E R V O I R S

Bureau of Reclamation - CRFS 3/2004 Most Prob Water Supply
Parker Dam - Lake Havasu

10-mar-2004 11:14:27

	Power Release	Power Release	EOM Reservoir Elevation	EOM Storage 1000	Change In Storage 1000	Parker Static Head	Parker Generator Capacity MW	Parker Gross Energy MKWH	Percent Of Units Available	KWH/AF
	1000 Ac-Ft	1000 CFS	Feet	Ac-Ft	Ac-Ft	Feet				
* Mar 2003	728	11.8	445.89	541	-32	0.00	120.0	48.5	100	66.6
H Apr 2003	800	13.4	448.60	592	50	0.00	120.0	53.8	100	67.2
I May 2003	709	11.5	448.83	596	5	0.00	120.0	48.4	100	68.3
S Jun 2003	715	12.0	448.57	591	-5	0.00	120.0	48.8	100	68.3
T Jul 2003	742	12.1	448.81	596	5	0.00	120.0	50.7	100	68.3
O Aug 2003	607	9.9	448.81	596	-0	0.00	120.0	41.6	100	68.5
R Sep 2003	572	9.6	447.05	562	-33	0.00	113.0	39.9	94	69.8
WY 2003	6841							465.3		
I Oct 2003	509	8.3	447.20	565	3	0.00	92.0	34.6	77	68.0
C Nov 2003	336	5.7	446.96	560	-5	0.00	94.0	22.9	78	68.0
A Dec 2003	347	5.6	444.52	516	-44	0.00	103.0	23.1	86	66.5
L Jan 2004	333	5.4	444.21	511	-6	0.00	120.0	21.6	100	64.9
* Feb 2004	418	7.3	446.75	557	46	0.00	120.0	28.0	100	66.9
Mar 2004	664	10.8	446.71	556	-1	74.14	120.0	43.1	100	64.9
Apr 2004	785	13.2	447.50	570	15	74.50	120.0	51.5	100	65.5
May 2004	739	12.0	449.60	611	41	75.91	120.0	49.2	100	66.5
Jun 2004	732	12.3	449.60	611	0	76.93	120.0	49.2	100	67.3
Jul 2004	762	12.4	448.00	580	-31	76.15	120.0	50.8	100	66.7
Aug 2004	664	10.8	447.50	570	-10	75.13	120.0	43.6	100	65.7
Sep 2004	558	9.4	446.81	557	-13	74.55	120.0	36.3	100	64.9
WY 2004	6849							453.9		
Oct 2004	484	7.9	446.31	548	-9	75.37	90.0	31.6	75	65.4
Nov 2004	375	6.3	445.99	543	-6	74.98	90.0	24.1	75	64.4
Dec 2004	320	5.2	445.80	539	-4	74.73	90.0	20.4	75	63.5
Jan 2005	357	5.8	445.80	539	0	74.64	90.0	22.8	75	63.9
Feb 2005	467	8.4	445.80	539	0	74.64	90.0	30.4	75	65.0
Mar 2005	669	10.9	446.70	555	16	75.08	90.0	44.1	75	66.0
Apr 2005	796	13.4	448.71	594	38	75.09	120.0	52.5	100	66.0
May 2005	740	12.0	449.60	611	18	76.49	120.0	49.5	100	66.9
Jun 2005	733	12.3	449.60	611	0	76.93	120.0	49.3	100	67.3
Jul 2005	763	12.4	448.00	580	-31	76.15	120.0	50.9	100	66.7
Aug 2005	665	10.8	447.50	570	-10	75.13	120.0	43.7	100	65.7
Sep 2005	559	9.4	446.81	557	-13	74.86	112.8	36.4	94	65.2
WY 2005	6928							455.9		
Oct 2005	484	7.9	446.29	548	-9	75.24	92.4	31.6	77	65.3
Nov 2005	375	6.3	446.00	543	-5	74.79	93.6	24.1	78	64.2
Dec 2005	320	5.2	445.80	539	-4	74.07	103.2	20.2	86	63.0
Jan 2006	356	5.8	445.80	539	0	74.64	90.0	22.7	75	63.9
Feb 2006	466	8.4	446.00	543	4	73.33	120.0	29.7	100	63.8

O P E R A T I O N P L A N F O R C O L O R A D O R I V E R S Y S T Y M R E S E R V O I R S

Bureau of Reclamation - CRFS 3/2004 Most Prob Water Supply

Wed Mar 10 14:42:00 2004

Upper Basin Power

	Glen Canyon 1000 MWHR	Flam Gorge 1000 MWHR	Blue Mesa 1000 MWHR	Morrow Point 1000 MWHR	Crystal Res 1000 MWHR	Font Res 1000 MWHR
* Mar 2003	334	17	2	5	1	4
Winter 2003	1708	101	22	33	4	16
H Apr 2003	254	16	12	18	11	6
I May 2003	275	48	11	20	18	5
S Jun 2003	0	0	0	0	0	0
T Jul 2003	386	17	29	39	20	3
O Aug 2003	382	17	26	36	23	3
R Sep 2003	201	32	17	23	22	3
Summer 2003	1498	130	95	135	94	21
I Oct 2003	206	17	13	18	8	2
C Nov 2003	198	17	4	6	0	3
A Dec 2003	251	22	4	5	1	3
L Jan 2004	325	17	4	6	0	3
* Feb 2004	294	24	5	5	0	0
Mar 2004	308	19	4	6	18	4
Winter 2004	1582	116	33	46	26	15
Apr 2004	228	18	8	14	20	6
May 2004	248	45	9	20	22	7
Jun 2004	311	31	13	22	21	9
Jul 2004	354	22	28	34	17	9
Aug 2004	354	22	32	37	13	7
Sep 2004	186	22	31	37	14	7
Summer 2004	1680	160	121	164	107	43
Oct 2004	193	22	25	30	16	7
Nov 2004	186	22	19	23	15	6
Dec 2004	193	22	19	24	17	6
Jan 2005	331	22	23	29	20	6
Feb 2005	251	20	20	26	22	5
Mar 2005	231	22	22	30	21	5
Winter 2005	1385	130	129	163	110	33
Apr 2005	231	22	22	32	21	5
May 2005	253	47	12	25	22	6
Jun 2005	320	72	10	19	21	8
Jul 2005	370	42	26	32	17	10
Aug 2005	370	43	31	36	15	9
Sep 2005	323	41	31	37	16	6
Summer 2005	1868	268	133	182	112	45
Oct 2005	242	42	25	30	17	7
Nov 2005	242	41	22	27	15	6
Dec 2005	322	42	23	29	17	6
Jan 2006	340	42	25	31	0	6
Feb 2006	318	38	21	27	-NaN	5

model_run_id = 1300

F L O O D			C O N T R O L			C R I T E R I A		
B E G I N N I N G			O F M O N T H			C O N D I T I O N S		

MON	YEAR	FLAMING	BLUE	NAVAJO	LAKE	UPPER	LAKE	TOTAL	FLAMING	BLUE	NAVAJO	TOT OR	LAKE	LAKE	TOTAL	BOM	MEAD	MEAD	SYS
		GORGE	MESA	KAF	POWELL	BASIN	MEAD	KAF	GORGE	MESA	KAF	MAX ALLOW	POWELL	MEAD	KAF	SPACE	SCHED	FC	CONT
* * * * * P R E D I C T E D S P A C E * * * * *																			
MAR	2004	1337	439	985	13783	16544	11976	28520	515	439	695	1649	13783	11976	27408	1500	875	0	31.8
APR	2004	1324	420	933	14219	16897	12016	28913	498	420	638	1556	14219	12016	27792	1500	1093	0	31.5
MAY	2004	1264	382	792	14345	16783	12494	29276	429	382	473	1284	14345	12494	28122	1500	1059	0	32.2
JUN	2004	1212	232	582	13690	15715	12886	28601	366	227	232	825	13690	12886	27400	1500	851	0	33.7
JUL	2004	985	50	457	12625	14117	12988	27105	122	24	63	209	12625	12988	25822	1500	866	0	34.0
AUG	2004	879	27	444	12427	13777	13001	26778	879	27	444	1350	12427	13001	26778	1500	792	0	33.7
SEP	2004	870	65	465	12772	14172	12933	27105	870	65	465	1400	12772	12933	27105	2270	574	0	33.3
OCT	2004	892	126	454	12806	14278	13054	27332	892	126	454	1471	12806	13054	27332	3040	331	0	33.2
NOV	2004	900	175	451	12787	14313	12922	27234	900	175	451	1525	12787	12922	27234	3810	672	0	33.1
DEC	2004	913	208	436	12772	14328	13118	27446	913	208	436	1557	12772	13118	27446	4580	657	0	32.9
JAN	2005	941	248	426	12830	14446	13257	27703	941	248	426	1616	12830	13257	27703	5350	723	0	32.7
JAN	2005	941	248	426	12830	14446	13257	27703	571	248	391	1210	12830	13257	27297	5350	723	0	32.7
FEB	2005	964	303	419	13231	14918	13115	28033	591	303	383	1278	13231	13115	27624	1500	718	0	32.4
MAR	2005	978	351	406	13454	15189	13130	28318	602	351	370	1322	13454	13130	27906	1500	951	0	32.1
APR	2005	948	397	345	13524	15215	13434	28649	566	397	303	1266	13524	13434	28225	1500	1111	0	31.9
MAY	2005	877	409	244	13447	14977	13926	28903	485	409	175	1070	13447	13926	28443	1500	1035	0	32.8
JUN	2005	747	269	171	12519	13707	14293	28000	342	268	69	679	12519	14293	27490	1500	887	0	34.4
JUL	2005	539	64	201	11151	11955	14425	26380	117	38	53	207	11151	14425	25783	1500	872	0	34.8
AUG	2005	440	27	201	10879	11547	14427	25974	440	27	201	668	10879	14427	25974	1500	801	0	34.5
SEP	2005	471	56	213	11170	11911	14354	26265	471	56	213	741	11170	14354	26265	2270	590	0	34.2
OCT	2005	535	115	206	11435	12291	14181	26472	535	115	206	856	11435	14181	26472	3040	435	0	34.0
NOV	2005	591	159	210	11421	12380	14042	26423	591	159	210	959	11421	14042	26423	3810	633	0	34.0
DEC	2005	650	198	209	11411	12468	14083	26551	650	198	209	1057	11411	14083	26551	4580	626	0	33.9
JAN	2006	727	248	216	11646	12837	13903	26741	727	248	216	1191	11646	13903	26741	5350	722	0	33.7
JAN	2006	727	248	216	11646	12837	13903	26741	497	248	216	961	11646	13903	26510	5350	722	0	33.7
FEB	2006	800	306	224	11948	13277	13759	27037	568	306	224	1098	11948	13759	26805	1500	687	0	33.5